Index of Claims

Application No.

Applicant(s)

10/765,527

Examiner

Robert P. Swiatek

Art Unit

Robert P. Swiatek

| / | Rejected | ı | (Through numeral)<br>Cancelled | Z | Non-Elected  | A | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     | ı | Interference | 0 | Objected |

| Claim Date   |              |                   |          |                         | ]       | Claim Date |         |  |          |        |             |             | CI   | Date     |         |        |                 |                 |        |          |          |            |          |                 |                |           |          |                |                 |          |          |
|--------------|--------------|-------------------|----------|-------------------------|---------|------------|---------|--|----------|--------|-------------|-------------|--|----------|---------|--------|-----------------|-----------------|--------|----------|----------|------------|----------|-----------------|----------------|-----------|----------|----------------|-----------------|----------|----------|
| 1            | <del>-</del> | 4                 |          |                         |         |            |         |  | -        |        |             | <del></del> |  |          |         |        |                 | Н               |        |          |          | <u> </u>   |          |                 |                |           |          |                | П               | П        |          |
| Final        | Original     | 11/12/04          |          |                         |         | 1          |         |  |          |        | Final       | Original    |  | 1        | 1       |        |                 |                 |        |          | Final    | Original   |          |                 |                |           |          |                |                 |          | - [      |
| ΙŒ           | ٦            | Ξ                 |          |                         |         | -          |         |  |          |        | 证           | 듯           | ΙI   | 1        |         |        |                 |                 |        |          | ιĒ       | اڄَ        |          |                 |                |           |          | 1 1            |                 |          | - 1      |
|              |              | ш                 | $\dashv$ | $\perp$                 | $\perp$ | $\perp$    | 4       |  | ┸        | _ :::: | L           |             | Ш  | $\perp$  | $\perp$ |        | Ш               | Ш               |        | _        |          |            | L        | Ш               |                |           | Ш        |                | Ш               |          |          |
|              | 1            | =                 | 4        | 4                       | 4       | 4          | 4       | _  | _        | 4      |             | 51          | $\sqcup$   | _        | _       |        | ota             |                 |        | _        |          | 101        | _        | Ш               |                |           | Ш        | Ш              |                 | $\Box$   | ╝        |
|              | 2            | =                 | 4        | 4                       | 4       | ┵          | _       | _  | 4        | 4      |             | 52          | $\sqcup$   | _        | $\bot$  |        | Ш               | Ш               |        | _        | L        | 102        | <u> </u> | Ш               |                |           | Ш        | Ш              | $\Box$          | Ц        | _        |
|              | 3            | =                 | 4        |                         | 4       | $\bot$     | $\bot$  |  | 4        | 4      |             | 53          | Ш  | _        | 4       | ᆚ_     | Ш               | Ш               |        | _        | <u></u>  | 103        | L        | Ш               |                |           | Щ        | Ш              | Ш               |          | _        |
|              | 4            | =                 | -        | 4                       | $\perp$ | 4          | 4       | _  | $\perp$  | 4      | ļ           | 54          | Ш  | _        | 4       | - -    | oxdot           | Ш               |        | _        |          | 104        | L        | Ш               |                |           | Ш        | Ш              | Ш               | _        | _        |
| <u> </u>     | 5            | =                 | -        | +                       | 4       | +          | 4       | _  | +        | 4      |             | 55          | 1  | _        | _       | _      |                 | $\sqcup$        | _      | _        |          | 105        | <u> </u> | Ш               |                |           | Ш        | Ш              | Ш               | _        | _        |
| <u> </u>     | 6            | =                 | 4        | 4                       | 4       | 4          | 4       | 4  | +        | 4      | <u> </u>    | 56          | $\sqcup$   | _        | 4       | _      | Ш               | $\sqcup$        | _      | _        |          | 106        | L        | Ш               |                |           | Ш        | Ш              | Ш               | _        | _        |
| -            | 7            | =                 | 4        | +                       | +       | +          | +       |  | +        | 4      | <u> </u>    | 57          | $\sqcup$   | 4        | 4       | -      | Ш               | $\dashv$        | _      | 4        |          | 107        |          | Ц               |                |           | Ш        | Ш              | Ш               | 4        | _        |
| <u> </u>     | 8            | Н                 | -        | -                       | +       | +          | +       |  | +        | 4      | <u> </u>    | 58          | ⊢  | _        | _       | +      |                 | $\vdash$        |        | 4        |          | 108        | _        | Щ               |                | $\square$ | Ш        | Ш              | Ш               | 4        | _        |
| ⊢            | 9            | $\vdash\vdash$    |          | +                       | +       | +          | +       | -  | +        | -      | ├─          | 59          | $\vdash$   | 4        | 4       | -      | Ш               | $\vdash$        |        | 4        |          | 109        | <u> </u> | Щ               | $\blacksquare$ |           | Ш        | Ш              | Ш               | _        | _        |
| ├            | 10           | $\vdash$          | $\dashv$ | +                       | +       | +          | - -     | +  | +        | -      | <u> </u>    | 60          | $\vdash$   | -        | +       | +-     | $\vdash \vdash$ | $\vdash \vdash$ | +      | -        |          | 110        | <u> </u> | Ш               | Щ              | Ш         | Щ        | Ш              | $\sqcup$        | _        | _        |
| <u> </u>     | 11           | $\vdash$          | $\dashv$ | +                       | +       | +          | +       | - -  | +-       | -      | <u> </u>    | 61          | $\vdash$   | -        | - -     | +      | $\sqcup$        | -               | +      | 4        | <u> </u> | 111        | <u> </u> | Ш               | <u> </u>       | $\sqcup$  | Ш        | Ш              | igspace         | $\dashv$ | _        |
|              | 12<br>13     | $\vdash$          | +        | +                       | +       | +          | +       | +  | +        | -{:::: | $\vdash$    | 62          | $\vdash \vdash$                                  | +        | +-      | +      | $\vdash$        | $\vdash$        | +      | -        | <u> </u> | 112        | $\vdash$ | Щ               |                | $\square$ | Щ        | Ш              | $\vdash$        | $\dashv$ | ᆜ        |
| <del> </del> | 14           | $\vdash$          | $\dashv$ | +                       | +       | +          | +       | +-   | +        | -      | <u> </u>    | 63          | $\vdash$   | $\dashv$ | +-      | +      | $\vdash$        | $\dashv$        | +      | -        |          | 113        | <u> </u> | $\sqcup$        | Щ              | Щ         | Ш        | $\vdash$       | $\vdash$        | $\dashv$ | ᅴ        |
| $\vdash$     | 15           | $\vdash$          | $\dashv$ | +                       | +       | +          | +       | +  | +        | -      | $\vdash$    | 64          | $\vdash$   | +        | +       | 4—     | $\vdash$        | $\dashv$        | +      | -        |          | 114        | <u> </u> | $\sqcup$        | Щ              |           | Ш        | $\square$      | $\vdash \vdash$ | $\dashv$ | ᅬ        |
|              | 16           | $\vdash \vdash$   | $\dashv$ | -                       | +       | +          | +       | +  | +        | -      | ├           | 65          | $\vdash$   | +        | +       | +-     | Н               | $\vdash \vdash$ | +      | -{       | L        | 115        | $\vdash$ | $\vdash \vdash$ | _              | $\Box$    | Ш        |                | Н               | 4        | 4        |
| $\vdash$     | 17           | $\vdash$          | +        | +                       | +       | ╬          | +       |  | +-       | -      | $\vdash$    | 66          | $\vdash$   | +        | +       | +      | $\vdash$        | $\dashv$        | -      | -        |          | 116        | <u> </u> | $\vdash \vdash$ |                | -         | <u> </u> | $\square$      | $\vdash$        | 4        | ᆚ        |
| }            | 18           | ┝╾┤               | +        |                         | +       | +          | ┰       | +  | +        | -      | <u> </u>    | 67          | $\vdash$   | +        | - -     | +      | $\vdash$        | $\vdash$        | -      | -        | ļ        | 117        | <u> </u> | $\vdash \vdash$ | -              |           | ш        | $\square$      | $\dashv$        | $\dashv$ | 4        |
|              | 19           | Н                 | $\dashv$ | -                       | +       | ┿          | +       | +-   | ╁        | -      | <u> </u>    | 68<br>69    | ₩  | +        |         | +      | Н               | -               | +      | -        |          | 118        | _        | Н               | -              |           | Н        | $\vdash$       | $\vdash$        | $\dashv$ |          |
| ├            | 20           | Н                 | +        | -                       | +       | +-         | +       | +-   | ╁        | - :::: | ├—          | 70          | $\vdash$   | +        | -       | ┥—     | Н               | -               |        | -        |          | 119        | $\vdash$ | $\vdash$        | _              |           | Н        | Н              | $\vdash$        | $\dashv$ | _        |
| <del></del>  | 21           | $\vdash$          | $\dashv$ | +                       | ┿       | +-         | ┰       | +-   | +-       | - :::: |             | 70          | $\vdash$   | +        |         | +-     | Н               | -               | +      | -        |          | 120        |          | Н               |                | _         | $\dashv$ | Н              | $\dashv$        | $\dashv$ | _        |
|              | 22           | $\vdash$          | $\dashv$ | +                       | ╌       | ┿          | ╬       | +  | +-       | -      | <u> </u>    | 72          | $\vdash$   | +        | +       | +      | Н               | -               | +      | -        |          | 121        | <u> </u> | -               | _              | -         | $\vdash$ | $\vdash$       | $\dashv$        | $\dashv$ | _        |
|              | 23           | Н                 | $\dashv$ |                         | +       | +          | +       | +  | ╁        | -{:::: |             | 73          | $\vdash$   | -        | +       | +-     | $\vdash$        | -               | -      | -        |          | 122        |          | $\dashv$        |                | $\dashv$  |          | $\vdash$       | $\vdash$        | -        | _        |
|              | 24           | $\vdash$          | $\dashv$ | -+                      | +       | ╁          | ╁       | +  | ╁        | -      |             | 74          | $\vdash$   | +        | -       | -      | Н               | -+              |        | -        |          | 123        | -        | $\vdash$        | -              | $\dashv$  | $\vdash$ | $\vdash\vdash$ | $\vdash$        | -        | _        |
|              | 25           | H                 | +        | +                       | +       | +          | +       | +  | +-       | -      | <u> </u>    | 75          | $\vdash$   | +        | +       | +-     | Н               |                 | +      | -        |          | 124<br>125 | $\vdash$ | $\vdash$        | $\vdash$       |           | $\vdash$ | $\vdash\vdash$ | -+              | $\dashv$ | 긕        |
|              | 26           | $\vdash$          | $\dashv$ | +                       | +       | +          | ╁       | ╁  | ╁        | -      | _           | 76          | ┨  | $\dashv$ | ╁       | +-     | Н               | $\dashv$        | +      | -        |          |            | H        | -               | $\dashv$       |           |          | Н              |                 | 4        | 4        |
|              | 27           | $\dashv$          | $\dashv$ | ╅                       | +       | ╁          | ╫       | +-   | +        | ┨᠁     |             | 77          | $\vdash$   | +        | +       | +      | Н               |                 |        | -{       |          | 126<br>127 | H        |                 | $\dashv$       | -         | -        | $\vdash$       | $\vdash$        | $\dashv$ |          |
|              | 28           | $\dashv$          | $\dashv$ | +                       | +       | +          | +       | ╅  | +        | ┨᠁     |             | 78          | <del>                                     </del> | +        | +       | +-     | Н               |                 | ╅      | -        |          | 128        | -        |                 | $\dashv$       | $\vdash$  | $\vdash$ | $\vdash\dashv$ | -               | $\dashv$ | ᅴ        |
| _            | 29           | $\dashv$          | $\dashv$ | +                       | ╁       | +          | ╅       | +  | ╁        | ┨᠁     | _           | 79          | H  | -+       | +-      | ╁      | Н               | $\dashv$        | +      | -        |          | 129        | $\vdash$ | $\vdash$        | -              | $\dashv$  | -        | $\vdash\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ |
|              | 30           | $\dashv$          | +        | +                       | ╁       | ╅          | +-      | ╁  | +        | ┧Ш     | <del></del> | 80          | $\vdash$   |          | ┿       | ┿      | Н               |                 | -      | -        | _        | 130        | -        |                 | $\dashv$       | $\dashv$  | $\dashv$ | $\vdash$       | -               | $\dashv$ | $\dashv$ |
|              | 31           |                   | +        | +                       | +       | ┿          | +       | ╁  | ╁        | ┧Ш     | $\vdash$    | 81          | ┤╌┤  | $\dashv$ | +       | +-     | H               | $\dashv$        | +      | -        |          | 131        | _        | Н               | -              | $\dashv$  | $\dashv$ | $\vdash$       | $\dashv$        | $\dashv$ | 긕        |
|              | 32           | $\dashv$          | +        | +                       | +       | ╁          | 十       | +-   | +-       | ┨᠁     | <u> </u>    | 82          | ┤┤   | +        | +       | +      | H               | $\dashv$        |        | -{:::::  |          | 132        | -        | Н               | $\dashv$       | $\dashv$  | $\dashv$ | $\vdash$       | $\dashv$        | $\dashv$ | ᅴ        |
|              | 33           | $\dashv$          | +        | ╅                       | ╅       | ╅          | +       | +  | +        | ┨      | $\vdash$    | 83          | -  |          | ╅       | +-     | -               | $\dashv$        |        | -{!!!!   | _        | 133        | $\vdash$ | $\vdash$        | ᅱ              | -         | $\dashv$ | $\dashv$       | $\dashv$        | $\dashv$ | $\dashv$ |
| _            | 34           | $\vdash$          | $\dashv$ | +                       | ╅       | +          | +       | +  | +        | ۱      |             | 84          | $\vdash$   | +        | +       | +      | $\vdash$        | $\dashv$        |        | -        |          | 134        | $\vdash$ | $\vdash$        | -              | $\dashv$  | _        | -1             | $\dashv$        | $\dashv$ | $\dashv$ |
|              | 35           | П                 | 十        | +                       | +       | 十          | +       | 十  | $\top$   | 1      | <b></b>     | 85          | $\vdash \vdash$                                  | +        | +       | +      | H               | $\dashv$        | - -    | ┧᠁       |          | 135        | $\vdash$ | $\vdash$        |                | $\dashv$  | $\dashv$ |                | $\dashv$        | $\dashv$ | ᅱ        |
|              | 36           | $\exists$         | +        | +                       | _       | +          | +       | $\top$   | 1        | ┧Ш     |             | 86          | $\vdash \vdash$                                  | +        | +       | +      | H               | 十               | - -    | 1        |          | 136        | $\vdash$ | $\vdash$        |                | -         | $\dashv$ | $\vdash$       | $\dashv$        | $\dashv$ | ᅱ        |
|              | 37           | -                 | $\dashv$ | $\top$                  | $\top$  | $\top$     | +       | $\top$   | +        | 1      |             | 87          | $\vdash \vdash$                                  | +        | 十       | +      | Н               | $\dashv$        |        | <b>-</b> |          | 137        |          | $\vdash$        | -              | $\dashv$  | $\dashv$ | -              | -+              | +        | $\dashv$ |
|              | 38           | 1                 | $\dashv$ | +                       | $\top$  | $\top$     | +       | 1  | $\top$   | 1      |             | 88          | $\vdash$   | $\dashv$ | +       | +      | Н               | $\dashv$        |        | -        |          | 138        |          | $\vdash$        |                | $\dashv$  | $\dashv$ | $\dashv$       | $\dashv$        | +        | $\dashv$ |
|              | 39           |                   | $\top$   | +                       | $\top$  | $\top$     | $\top$  | 1  | +        | 1::::  |             | 89          | $\vdash$   | $\dashv$ | +       | 1      | H               | $\dashv$        | _ -    | الللة    |          | 139        | Н        | $\vdash$        | $\dashv$       | -         | $\dashv$ | $\dashv$       | $\dashv$        | +        | $\dashv$ |
|              | 40           | $\Box$            | $\top$   | $\top$                  | 1       | 1          | +       | $\top$   | 1        | 7      |             | 90          | $\vdash$   | $\dashv$ | +       | +      | ╁┤              | $\dashv$        | _      | 1        |          | 140        | H        | $\dashv$        | $\dashv$       |           | $\dashv$ | $\dashv$       | $\dashv$        | +        | ᅱ        |
|              | 41           | П                 | $\top$   | $\top$                  | $\top$  | $\top$     | $\top$  | 1  | $\top$   | 1      |             | 91          | H  | $\top$   | ╅       | $\top$ | Н               | $\dashv$        | $\top$ | 1        |          | 141        | Н        | $\dashv$        | ᅱ              | -         | $\dashv$ | $\dashv$       | $\dashv$        | +        | $\dashv$ |
|              | 42           |                   | 十        | $\top$                  | 十       | $\top$     | $\top$  | $\top$   | 1        | 1      |             | 92          | $\sqcap$   | $\dashv$ | 1       | $\top$ | Н               | $\dashv$        | _      | 1        |          | 142        | Н        | $\vdash$        | ᅱ              | ᅱ         | $\dashv$ | $\dashv$       | $\dashv$        | +        | $\dashv$ |
|              | 43           |                   |          | $\top$                  | $\top$  | $\top$     | 1       | 7  | 1        | 1      |             | 93          | $\sqcap$   | $\dashv$ | 1       | $\top$ | П               | $\dashv$        | $\top$ | 1        |          | 143        | Н        |                 | -              | ᅥ         | $\dashv$ | $\dashv$       | $\dashv$        | +        | ㅓ        |
|              | 44           |                   |          | $\top$                  | $\top$  |            | $\top$  | $\top$   | $\top$   | 7      |             | 94          |  | $\top$   | $\top$  | $\top$ | П               | $\dashv$        | 十      | 1        |          | 144        |          | $\vdash$        | $\dashv$       | ᅥ         | $\dashv$ | $\dashv$       | $\dashv$        | 十        | $\dashv$ |
|              | 45           |                   | $\top$   | $\neg$                  | $\top$  | 1          | T       | 1  | T        | 1      |             | 95          | $\Box$   | $\top$   |         | Т      | П               | 十               | 1      | 1        | _        | 145        | Н        | -               | $\dashv$       | -         | $\dashv$ | $\dashv$       | +               | +        | $\dashv$ |
|              | 46           |                   |          | 7                       | T       | $\top$     | T       | $\top$   | 1        | 7      |             | 96          | $\Box$   | $\dashv$ | $\top$  | 十      | $\vdash$        | $\dashv$        | _      | 1        |          | 146        | Н        | $\vdash$        | $\dashv$       | -         | $\dashv$ | $\dashv$       | 十               | +        | ᅱ        |
|              | 47           |                   |          |                         | $\top$  | T          | $\top$  | $\top$   | $\top$   | 7      |             | 97          | $\sqcap$   | $\top$   | $\top$  | 1      | П               | $\forall$       |        | 1        |          | 147        | _        |                 | $\dashv$       | $\dashv$  | $\neg$   | $\dashv$       | 十               | 十        | $\dashv$ |
|              | 48           | $\Box$            |          |                         |         | $\perp$    | $\perp$ | T  | T        | 7      |             | 98          | $\sqcap$   | 十        | $\top$  | $\top$ | $\sqcap$        | $\dashv$        |        | 1        |          | 148        | -        |                 | $\dashv$       | _         | $\dashv$ | $\dashv$       | 十               | $\dashv$ | $\dashv$ |
|              | 49           |                   | floor    | $oldsymbol{\mathbb{T}}$ | floor   | Ι          | T       |  |          |        |             | 99          |  | $\top$   | $\top$  | $\top$ | П               | $\top$          | 1      | 1111     |          | 149        | $\neg$   | $\neg$          | 寸              |           | 寸        | _              | $\dashv$        | $\dashv$ | ┨        |
|              | 50           | $oldsymbol{\bot}$ | $\Box$   | $\int$                  |         | I          | J       | $oldsymbol{ol}}}}}}}}}}}}} $ | $\Gamma$ |        |             | 100         |  | T        | I       |        |                 | $\Box$          |        | 1        |          | 150        |          | 寸               | $\dashv$       | T         | $\dashv$ | $\dashv$       | 7               | 十        | ┨        |